NINTH PERIODIC REVIEW REPORT

For

OLD BETHPAGE LANDFILL (Site No. 130001)
June 1, 2020 through May 31, 2023

Prepared for:

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Department of Public Works
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Submitted to:

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau E, Section C
625 Broadway, 12th Floor
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June 23, 2023

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I. Executive Summary

This Ninth PRR (Periodic Review Report) for the OBL (Old Bethpage Landfill) covers the three-year period from June 1, 2020 through May 31, 2023. It is being submitted at the request of the NYSDEC (New York State Department of Environmental Conservation) pursuant to a notification to the Town (Town of Oyster Bay) dated April 11, 2023. Its format and content continue to reflect the significant reductions in operation, monitoring, and reporting requirements approved by the NYSDEC in its March 24, 2016 letter, and the three-year PRR frequency requested by the NYSDEC in its August 4, 2020 letter accepting the Eighth PRR, specifically:

1. On October 1, 2016, the NYSDEC took over operation of the GTF (Groundwater Treatment Facility), and Recovery Wells RW-1 and RW-2 were turned off. Accordingly, the Town's period of record for the GTF and recovery wells ended on September 30, 2016. Subsequent Remedial Action Plan (RAP) reports are not required and PRRs no longer contain GTF-related information.
2. In early 2017, the Town began post-termination monitoring for Recovery Wells RW-1 and RW-2. This required sampling up to 13 monitoring wells semiannually for three years for RAP parameters, for a total of six rounds, and reporting. The sixth round was performed in August 2019. A cumulative Final Post-Termination Monitoring Report was submitted to the NYSDEC in March 2020, and concluded that further post-termination monitoring was not warranted.
3. The NYSDEC has not yet responded to the Final Post-Termination Monitoring Report. In the interim, the Town has voluntarily continued to perform the monitoring and reporting, and a total of seven additional rounds have been completed. The results for the six rounds performed in 2020 through 2022 are summarized in this PRR. The results for the seventh round, performed in May 2023, were not available for this PRR and will be summarized in the Tenth PRR.
4. The frequency of ambient air-quality, soil gas-quality and soil gas-pressure monitoring was reduced from quarterly to annually beginning in the second quarter of 2016. The results are submitted to the NYSDEC in separate reports and summarized in the PRRs. Four rounds of this monitoring were performed during this review period. The results for the 2020, 2021 and 2022 rounds are summarized in this PRR. The results for the 2023 round, performed in May, were not available for this PRR and will be summarized in the Tenth PRR.
5. The frequency of monitoring perimeter gas wells and on-site buildings/structures for methane was also reduced from quarterly to annually beginning in the second quarter of 2016. The results are submitted to the NYSDEC in separate reports and summarized in the PRRs. Three rounds of this monitoring were performed during this review period. The results for the 2020 round, which were not available for the Eighth PRR, and the 2021 and 2022 rounds, are summarized in this PRR. The results for the 2023 round, performed in May, were not available for this PRR and will be summarized in the Tenth PRR.

6. The NYSDEC requested that the exhaust from the perimeter LFG (landfill gas) collection system, which is vented directly to the atmosphere, be monitored for VOCs (volatile organic compounds) annually. The results are submitted to the NYSDEC in separate reports and summarized in the PRRs. Three rounds of this monitoring were performed during this review period. The results for the 2020 round (performed in July and not available for the Eighth PRR) and the 2021 and 2022 rounds, are summarized in this PRR. The results of the 2023 round, performed in May, were not available for this PRR and will be summarized in the Tenth PRR.

The other monitoring requirements remained unchanged and entailed: weekly monitoring of the perimeter LFG collection system exhaust for methane, semiannual monitoring of the effluent from the LTF (leachate treatment facility) for permit-required parameters, and annual zero gas migration surveys along the OBL perimeter and OBSWDC (Old Bethpage Solid Waste Disposal Complex) property boundary.

Weekly monitoring of the perimeter LFG collection system exhaust for methane was performed, and the results are submitted in this PRR. Semiannual monitoring of the LTF effluent was performed during this reporting period, and the results were submitted to Nassau County. A copy of the most recent results is included in this PRR as an appendix. Three zero gas migration surveys were performed during this review period, and the results submitted to the NYSDEC in separate reports. The results for the 2021 and 2022 rounds are summarized in this PRR. The results of the 2023 round, performed in May, were not available for this PRR and will be summarized in the Tenth PRR.

The OBL is a 65-acre former MSW (municipal solid waste) landfill located within the OBSWDC in Old Bethpage, NY. The OBL is owned, and was formerly operated by, the Town. In 1988, the Town entered into Consent Decree 83 Civ. 5357 with the State of New York to remediate the OBL. Appendix A of the Consent Decree specifies the RAP to “restore the quality of groundwater and air in the vicinity of the OBSWDC”.

The key elements of the RAP necessary to meet the remedial objectives were: 1) remediating the off-site VOC groundwater plume from the OBL utilizing a GTF; 2) completing the landfill cap; 3) collecting the LFG; 4) maintaining zero percent LFG migration at the OBL boundary and in on-site buildings and structures; 5) continuing to operate the existing LTF; and 6) supplemental monitoring of ambient-air quality, soil-gas quality and soil-gas pressure. The thermal oxidizer is no longer in operation, and that monitoring has been superseded by monitoring of the LFG collection system exhaust.

Recovery Wells RW-1 and RW-2 were basically non-detectable for VOCs for several years prior to the NYSDEC taking over operation of the GTF. Accordingly, the Fourth PRR concluded that the off-site VOC plume associated with the OBL had likely been remediated to the extent feasible. It also stated the Town’s intention to seek NYSDEC approval to turn off Recovery Wells RW-1 and RW-2 and enter post-termination monitoring for these recovery wells. Approval was granted, and on October 1, 2016, the Town shut off Recovery Wells RW-1 and RW-2 and turned over operation of the other

three recovery wells and the GTF to the NYSDEC. The Town completed the sixth and final required round of post-termination monitoring and reporting in August 2019. A cumulative Final Post-Termination Monitoring Report was submitted to the NYSDEC in March 2020, and concluded that further post-termination monitoring was not warranted. The NYSDEC has not yet responded to the report. In the interim, the Town has voluntarily continued to perform post-termination monitoring and reporting, and a total of seven additional rounds have been completed since March 2020.

The landfill cap is in good condition. The low-concentration LFG at the OBL perimeter is being collected and is not migrating offsite. The LFG is being vented directly to the atmosphere and is monitored weekly for methane and annually for VOCs. The LTF discharge is permitted, and the effluent meets County sewer discharge standards. The ambient-air monitoring results to date indicate that the OBL is not significantly impacting air quality downwind of the OBL. Soil-gas monitoring continues to be consistent with prior results. During the 2022 monitoring round, gas was detected in Well F-9 (20 feet) at the Fireman's Training Center Site at 42% of the lower explosive limit (LEL) but is not believed to be OBL-related based on prior and subsequent results for this well and the non-detectable results for other wells between it and the OBL. Access-restricting engineering controls remain in place.

With NYSDEC approval, on October 1, 2016, the Town turned off Recovery Wells RW-1 and RW-2 and turned over operation of the other three recovery wells and the GTF to the NYSDEC. The Town has also completed required post-termination monitoring for these two recovery wells, which entailed sampling up to 13 monitoring wells selected by the NYSDEC for RAP parameters semiannually for three years, and reporting.ac The NYSDEC has not yet responded to the March 2020 Final Post-Termination Monitoring Report. In the interim, the Town has voluntarily performed seven additional rounds of post-termination monitoring and reporting. The landfill cap, constructed in several phases between 1983 and 1993, continues to be maintained. The LFG control system, constructed in phases from 1981 to 1993, is continuing to prevent off-site gas migration. In October 2012, the NYSDEC approved the Town's request to permanently cease operation of the landfill gas thermal oxidizer. The low-concentration LFG collected by the perimeter system is being vented to the atmosphere via the stack bypass. Monitoring of the exhaust weekly for methane and annually for VOCs is being performed and shows that emissions continue to be acceptably low.

Annual zero percent LFG migration surveys are being conducted along the OBL boundary and OBSWDC property line. The results continue to demonstrate that subsurface LFG migration is being controlled. In early 2016, the Town also received NYSDEC approval to decrease the frequency of ambient-air quality, soil-gas quality, soil-gas pressure, perimeter well methane and on-site building methane monitoring to annually. The LTF, operational since 1983, is permitted and continues to operate. In 2016, the Town received County approval to bypass the LTF and discharge OBL leachate directly to the sewer system. A bypass may be constructed in the future.

Access to the OBL is restricted by appropriate engineering controls. Town personnel performed routine maintenance and repairs at the OBSWDC on an as-needed basis in accordance with the O&M (Operation and Maintenance) Plans developed for each of the remedial systems, except the GTF, which the Town is no longer responsible for. No changes are recommended at this time. Repairs requiring specialized expertise require hiring outside contractors in accordance with general municipal law requirements.

On August 16, 2022, the Town submitted a revised Emerging Contaminant Sampling Work Plan for the OBL to the NYSDEC and USEPA (United States Environmental Protection Agency) and is currently in the process of finalizing the plan scope of work with these agencies. In June 2018, emerging contaminants were detected in Town monitoring wells LF-2, MW-6B and MW-6E. These three wells are located downgradient of the older portion of the OBL, which is comprised primarily of incinerator ash that is unlikely to be significant source of emerging contaminants. These wells are also downgradient of County Injection Wells IW-1, IW-2 and IW-3 and Recharge Basin No. 538, where treated groundwater from the FTC Site plume, which still contained emerging contaminants, was recharged for approximately 11 years. The Town believes that the emerging contaminant detections in Wells LF-2, MW-6B and MW-6E are attributable to the recharge of groundwater from the Fireman's Training Center site plume remediation system. Since supporting information regarding this determination has already been provided to the NYSDEC in the work plan as well as related prior correspondence, and no OBL-related emerging contaminant monitoring was performed during this review period, emerging contaminants are not discussed further in this PRR.

II. Site Overview

The OBL is located in east-central Nassau County, NY. The physical address of the OBL is 101 Bethpage-Sweet Hollow Road, Old Bethpage, NY 11804. A USGS quad map showing the location of the OBL is provided in Figure 1. The OBL occupies approximately 65 acres of the OBSWDC. The remainder of the OBSWDC is occupied by a guard booth, scale-house facility, MSW transfer station, recyclables transfer facility, yard waste transfer site, vehicle maintenance garage, two contractor-leased parcels used for materials storage and handling, the LFG control system, the LTF, and the GTF now operated by the NYSDEC. A site plan is provided in Figure 2. The surrounding area is a mixture of commercial and residential properties, and a campground. An aerial photograph showing the OBSWDC and adjacent properties is provided in Figure 3.

The OBSWDC has been in operation since 1958, and is currently used to transfer and dispose of MSW generated in the Town of Oyster Bay Solid Waste Disposal District. MSW was burned in two on-site incinerators, and the ash was landfilled on-site in the OBL, as was raw MSW generated during incinerator outages. After the last operable incinerator ceased normal operations, and until the OBL closed in April 1986, MSW was compacted utilizing movable compactors, baled utilizing a high-density baler, and landfilled at the OBL. Since May 1986, the Town has shipped the MSW collected that was not recycled off of Long Island.

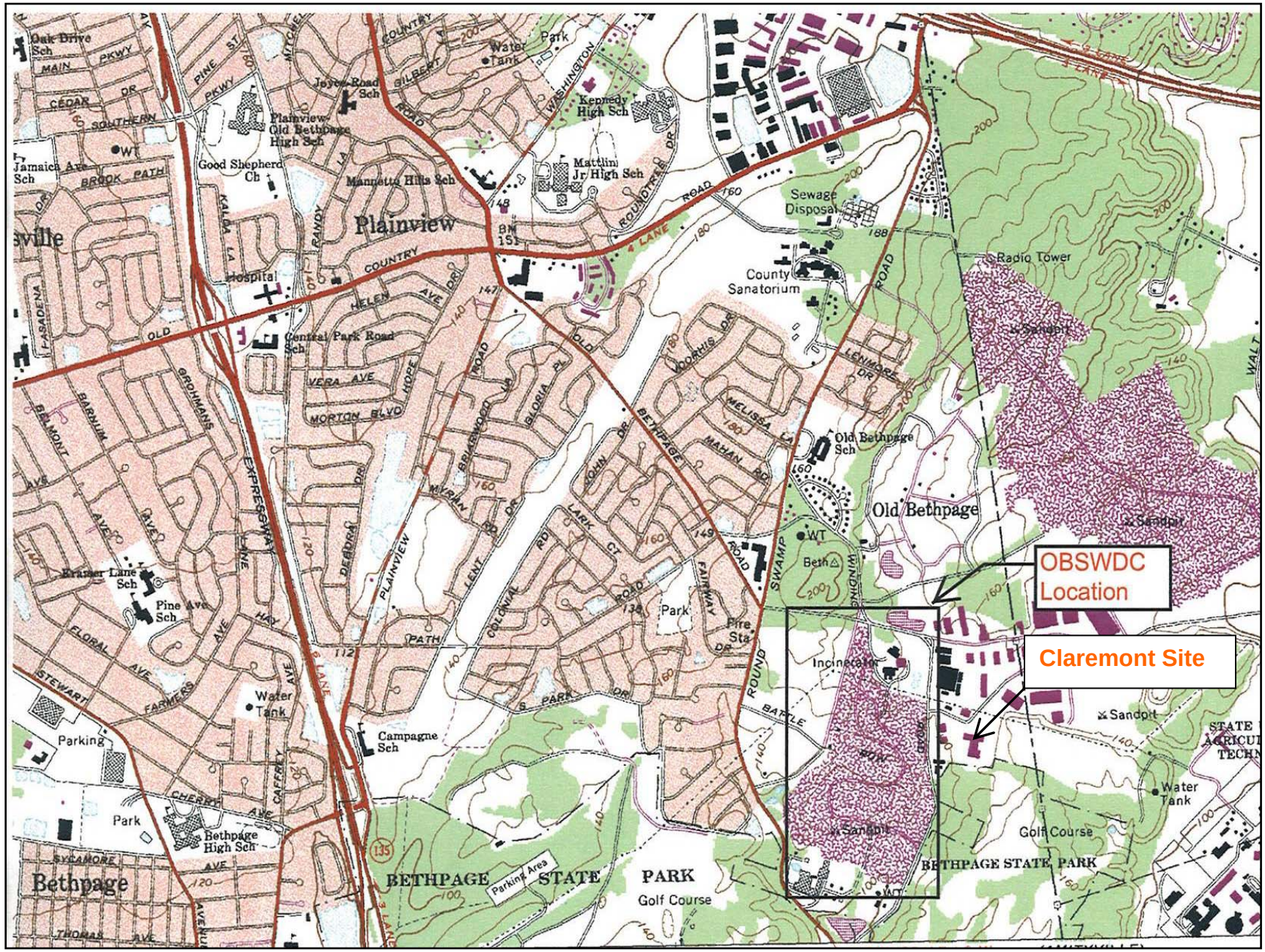
The nature and extent of the contaminated groundwater plume associated with the OBL were defined in a report titled "OBSWDC Offsite Groundwater Monitoring Program, Old Bethpage, Long Island, New York", by Geraghty & Miller, Inc. dated September 1986. The plume extended downgradient (southeast) of the OBL beneath the Bethpage State Park Golf Course. The Town is not aware of any report(s) documenting air-quality conditions prior to capping the OBL.

In June 1988, the Town entered into Consent Decree 83 CIV 5357 with the State of New York. The RAP in the Consent Decree required the Town to:

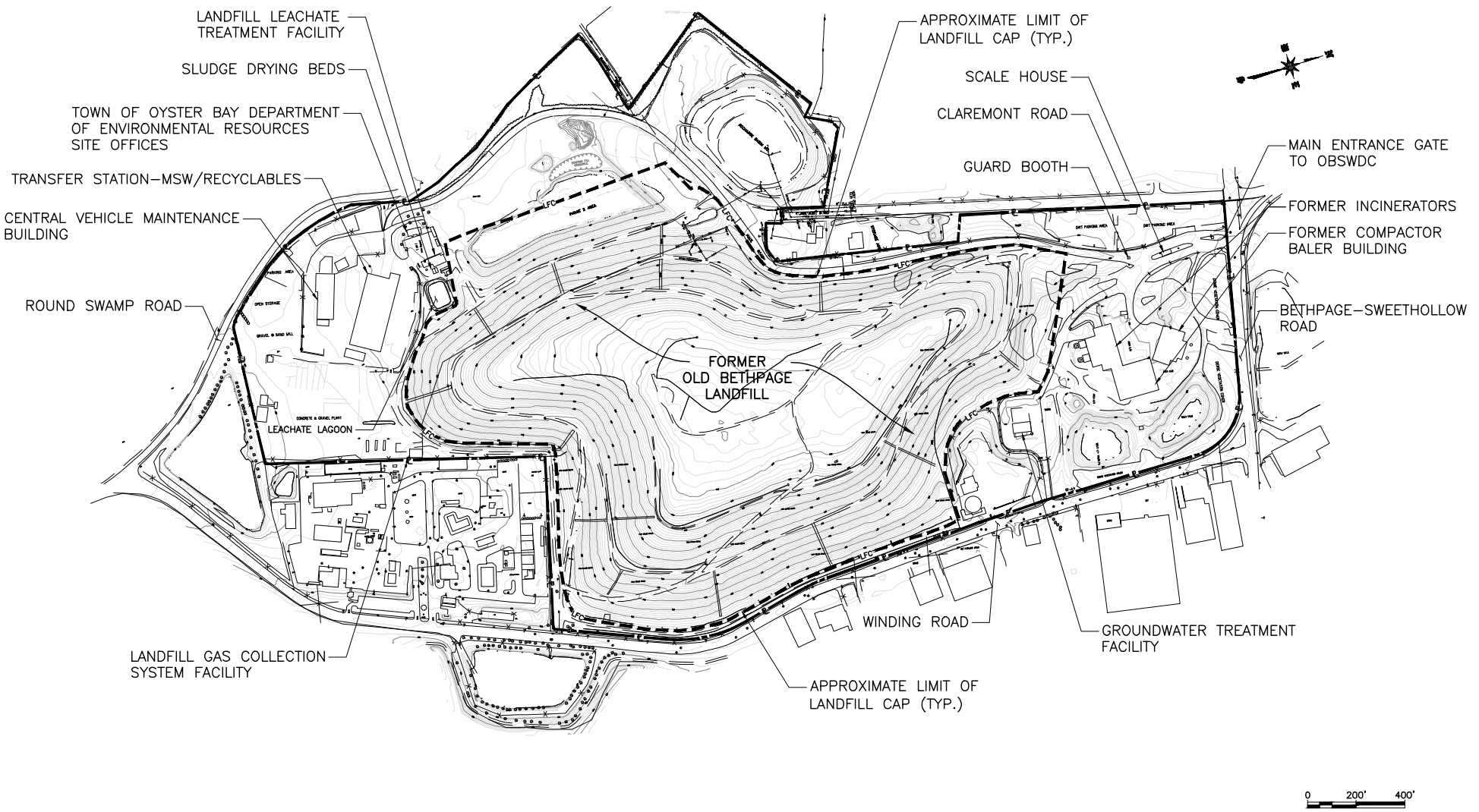
- design, construct and operate the GTF, to contain, recover and remediate the off-site VOC groundwater plume associated with the OBL
- design and construct a Part 360 cap for the OBL
- continue to operate the LFG migration control system
- continue to operate the LTF
- perform various monitoring functions designed to assess the adequacy of the remediation efforts, including groundwater, LFG and ambient-air monitoring

The GTF began operation on April 1, 1992. On October 1, 2016, operation of the GTF and Recovery Wells RW-3, RW-4 and RW-5 was turned over to the NYSDEC, and Recovery Wells RW-1 and RW-2 were turned off. The landfill cap was completed in early 1993, and has been maintained in good condition. The perimeter LFG migration control system continued to operate to control migration, and the low-concentration LFG

FIGURE 1 – SITE LOCATION ON USGS QUAD MAP



Source: Huntington, NY 7.5-Minute Quad



REV.	DATE	REMARKS	BY

CLIENT

TOWN OF OYSTER BAY

LOCKWOOD, KESSLER & BARTLETT, INC.
CONSULTING ENGINEERS SINCE 1889 SYOSSET, NEW YORK

DRAWING TITLE
OLD BETHPAGE SOLID WASTE DISPOSAL COMPLEX

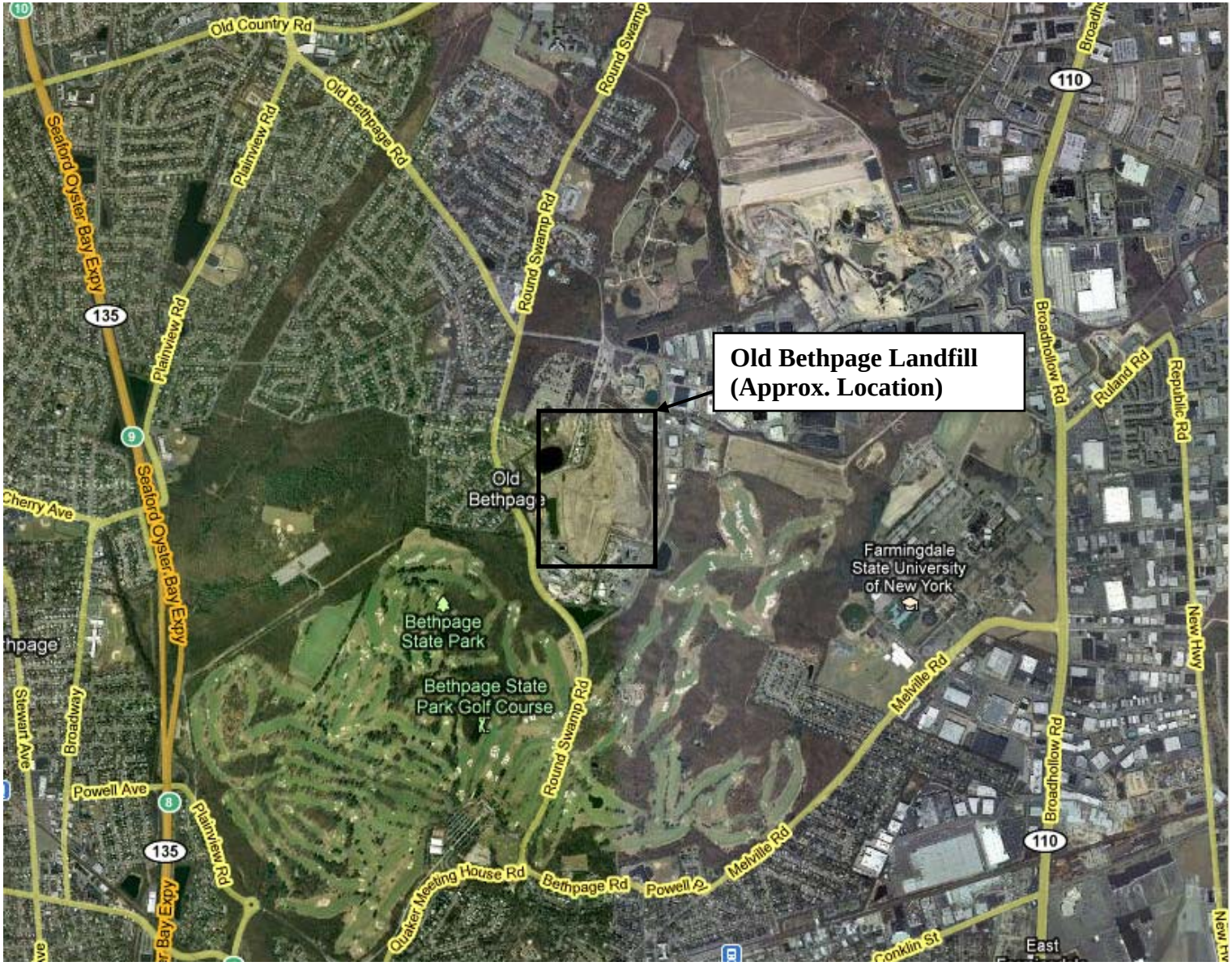
SITE PLAN

DESIGN BY: _
DRAWN BY: F.E.
CHECKED BY: T.H.
DATE: SEPT. 2012
SCALE: AS SHOWN

PROJECT NO.
2403–02

DRAWING NO.
FIGURE 2

FIGURE 3 – SITE AERIAL PHOTO



collected was vented to the atmosphere. Weekly monitoring of the exhaust for methane and annual monitoring of the exhaust for VOCs was performed as requested by the NYSDEC. Monitoring of groundwater, leachate, zero percent LFG migration, ambient-air and soil-gas quality, soil-gas pressure, perimeter gas well methane and on-site building and structure methane was performed per the Consent Decree, and the reductions in scope approved by the NYSDEC in 2016. The Town also completed the required three years of post-termination monitoring for Recovery Wells RW-1 and RW-2 in August 2019, and submitted the required cumulative Final Post-Termination Monitoring Report in March 2020. The NYSDEC has not yet responded to the report. In the interim, the Town has voluntarily continued to perform the post-termination monitoring and reporting and a total of seven additional rounds have been performed.

The LTF continued to operate, and the effluent discharged to the Nassau County Sewer System continued to meet discharge permit requirements. Over time, the quality of the leachate has improved. Accordingly, the Town requested and received County approval to discharge OBL leachate directly to the sewer system. A bypass may be constructed in the future.

LFG did not migrate offsite. Ambient-air, soil-gas, building/structure, and perimeter gas well and collection system vent exhaust monitoring results indicate that the OBL is not significantly impacting air quality in the vicinity. The results of the monitoring performed during this review period were, or will be, submitted to the NYSDEC in separate reports and the 2020 through 2022 results are summarized in this PRR. The 2023 results will be summarized in the Tenth PRR. Access-restricting engineering controls are in place.

III. Evaluate Remedy Performance, Effectiveness and Protectiveness

As noted previously, as of October 1, 2016, the Town is no longer involved in the operation, maintenance or monitoring of the GTF. Accordingly, PRRs for the OBL no longer contain GTF-related information. Instead, this section provides a summary of the post-termination monitoring for Recovery Wells RW-1 and RW-2 performed in 2020 through 2022, and evaluates the other remedy components. The laboratory results and trend charts for the monitoring were submitted to the NYSDEC in separate reports.

Post-Termination Monitoring for Recovery Wells RW-1 and RW-2

Table 1 below summarizes the total VOC (volatile organic compound) concentration results for the 2020 through 2022 post-termination monitoring groundwater samples:

Table 1. Summary of Total Volatile Organic Compound Monitoring Results

Well Number	Monitoring Round and Total Detected Concentration, in ug/L					
	May-20	Oct-20	May-21	Oct-21	May-22	Nov-22
LF-1	ND	ND	5.0	18.5	26.6	9.5
LF-2	12.9	15.7	28.0	22.0	20.8	ND
MW-5B	1.6	1.7	ND	ND	ND	ND
MW-6A	ND	1.1	ND	ND	ND	7.7
MW-6B	17.6	10.2	28.9	10.7	23.6	29.5
MW-6C	ND	7.2	ND	9.4	ND	4.6
MW-6E	1.8	2.7	ND	ND	ND	3.8
MW-6F	ND	ND	ND	1.0	ND	ND
MW-8A	24.6	33.4	32.7	21.0	19.7	16.0
MW-8B	ND	ND	ND	ND	ND	ND
MW-9B	1.6	1.5	1.5	1.5	ND	ND
MW-9C	ND	1.0	ND	ND	ND	ND
OBS-1	ND	ND	ND	ND	ND	ND

ND = None detected.

As indicated in Table 1 above, total VOC concentrations were very low to non-detectable in most of the 13 wells sampled and remained relatively consistent. The highest total VOC concentrations were detected in Well MW-8A but are not OBL-related. The types of compounds detected were consistent with historical results. Specifically, only aromatic hydrocarbons were detected in Wells LF-2, MW-6B, MW-6C and MW-6E, whereas only chlorinated solvents associated with the Claremont Polychemical Site were detected in Well MW-8A. The total VOC results for Well LF-1, located downgradient of Recharge Basin No. 1, are attributed to prior discharge of partially treated groundwater still containing trichloroethene from the Claremont Polychemical Site plume and/or Aluminum Louvre Site plume to Recharge Basin No. 1.

Exceedances of the Class GA groundwater standards for VOCs were limited to benzene in Wells LF-2, MW-6B and MW-6C, and chlorobenzene in Well MW-6B, which are Site-related but only minor in magnitude; cis-1,2-dichloroethene in Well MW-8A, which was higher in magnitude but not OBL-related, and trichloroethene in Well LF-1, which is also not OBL-related.

Overall, except for calcium, iron, manganese, potassium and/or sodium, metals concentrations in the wells were typically low to non-detectable. Table 2 below lists the exceedances of NYSDEC Class GA groundwater standards for metals in the 2020 through 2022 post-termination monitoring groundwater samples.

Table 2. Class GA Exceedances for Metals

Well Number	Monitoring Round and Exceedance(s) Noted					
	May-20	Oct-20	May-21	Oct-21	May-22	Nov-22
LF-1	Fe, Mn, Na	Fe, Mn, Na	Fe, Mn, Na	Fe, Mn, Na	Fe, Mn, Na	Fe, Mn, Na
LF-2	Fe, Na	Fe, Na	Fe, Na	Fe, Na	Fe, Na	Fe, Na
MW-5B	Mn, Na	Mn, Na	Mn, Na	Mn, Na	Mn, Na	Mn, Na
MW-6A	--	--	--	--	--	--
MW-6B	Fe, Na	Fe, Na	Fe, Na	Fe, Na	Fe, Na	Fe, Na
MW-6C	Fe, Na	Fe, Mn, Na	Fe, Na	Fe, Na	Fe, Na	Fe, Na
MW-6E	Fe, Mn, Na	Fe, Mn, Na	Fe, Mn, Na	Na	Fe, Mn, Na	Fe, Na
MW-6F	Na	Na	Na	Fe, Na	Hg, Na	Na
MW-8A	Na	Na	Mn, Na	Na	Na	--
MW-8B	Mn, Na	Mn, Na	Mn, Na	Mn, Na	Mn, Na	Mn, Na
MW-9B	Mn, Na	Mn, Na	Mn, Na	Mn, Na	Mn, Na	Mn, Na
MW-9C	Na	Na	Na	Mn, Na	Mn, Na	Na
OBS-1	Mn, Na	Mn, Na	Mn, Na	Mn, Na	Mn, Na	Mn, Na

Fe = Iron, Mn = Manganese, Na = Sodium, Hg = Mercury, -- = No Exceedances

As indicated in Table 2 above, the highest number of exceedances occurred in Wells LF-1 and MW-6E. No exceedances occurred in Well MW-6A, and exceedances in Wells MW-6F, MW-8A and MW-9C were primarily limited to sodium. Moreover, the specific exceedances in each well remained relatively consistent during the reporting period.

Table 3 on the following page lists the exceedances of the NYSDEC Class GA groundwater standards for leachate indicator parameters in the 2020 through 2022 post-termination monitoring groundwater samples.

Table 3. Class GA Exceedances for Leachate Indicator Parameters						
Well Number	Monitoring Round and Exceedance(s) Noted					
	May-20	Oct-20	May-21	Oct-21	May-22	Nov-22
LF-1	NH_3	NH_3	NH_3	NH_3	--	--
LF-2	Cl, NH_3, PC, TDS	Cl, NH_3, PC, TDS	Cl, NH_3, PC, TDS	Cl, NH_3, PC, TDS	Cl, NH_3, PC, TDS	NH_3, PC, TDS
MW-5B	--	--	--	--	--	PC
MW-6A	PC	--	--	--	PC	PC
MW-6B	Cl, NH_3, PC, TDS	NH_3, PC, TDS	Cl, NH_3, TDS	NH_3, TDS	NH_3, PC, TDS	NH_3, PC, TDS
MW-6C	NH_3, TDs	NH_3, TDs	Cl, NH_3, TDS	NH_3, TDS	NH_3, PC, TDS	Cl, NH_3, PC, TDS
MW-6E	Cl, NH_3, PC, TDS	Cl, NH_3, PC, TDS	Cl, NH_3, TDS	Cl, TDS	Cl, NH_3, TDS	Cl, NH_3, PC, TDS
MW-6F	Cl, TDS	Cl, TDS	Cl, TDS	NH_3, TDS	Cl, PC, TDS	Cl, TDS
MW-8A	--	--	--	--	--	--
MW-8B	Cl, TDS	Cl	--	--	PC	PC
MW-9B	--	PC	--	--	--	--
MW-9C	PC	--	NH_3	NH_3	NH_3	PC
OBS-1	NH_3	NH_3	NH_3	NH_3	NH_3	NH_3

NH_3 = Ammonia, Cl = Chloride, PC = Phenolic Compounds
TDS = Total Dissolved Solids, -- = No Exceedances

As indicated by the limited number of exceedances listed in Table 3 above, nearly all of the leachate indicator parameters analyzed for were either not detected, or only detected at concentrations lower than their Class GA standard. The highest number of exceedances occurred in Wells LF-2, MW-6C and MW-6E. The lowest number of exceedances, or no exceedances, occurred in Wells MW-5B, MW-6A, MW-8A, MW-9B, MW-9C and OBS-1. The specific exceedances in each well remained relatively consistent during the reporting period.

Landfill Capping System

The landfill capping system was constructed in phases under several contracts between 1983 through 1993. Its surface is inspected and maintained on a regular basis by Town personnel. The system consists of a low permeability-soil cap, vegetated soil cover, drainage chutes, benches, and patrol roads, and is in good condition overall. Typical maintenance included regular mowing, removing vegetation from drainage chutes, and repairing eroded benches and/or roads.

On July 21, 2020, embers from fire training activities at the adjacent Fireman Training Center ignited a brush fire on the southeast side-slope of the landfill cap, which spread to approximately 16 acres in size along the east side-slope before being extinguished. Although the vegetation was burned, the cap itself was not damaged as the root system remained intact, preventing erosion, and most of the existing vegetation was soon regenerated. During the Spring 2021 growing season, the burned area was mowed, raked and reseeded to augment the vegetative coverage on the landfill cap. Photographs showing the burned area prior to and after recovery are provided in Figures 4 and 5, respectively.

Current representative photographs showing the condition of the system, taken on May 10, 2023, are provided in Figures 6, 7 and 8. Based on its current condition, the landfill capping system is effective in minimizing infiltration of precipitation, and therefore the amount of leachate being generated. This finding is consistent with the fact that the amount of leachate collected from the lined phases of the OBL has continued to decrease over time.

Landfill Gas Control System

The landfill gas control system currently consists of 36 perimeter gas collection wells installed from 1981-1995, over 9,000 feet of interconnecting fiberglass pipe, and a three-skid blower station. Each skid has a flow capacity of either 500 cfm (cubic feet per minute) or 960 cfm depending on its blower piping configuration. Typically, one or two skids are operated, and the third is a backup. This system previously included interior gas collection wells, which have been abandoned; and a landfill gas thermal oxidizer, which ceased operating in May 2008, primarily due to insufficient gas.

With NYSDEC approval, the low-concentration landfill gas collected by the perimeter wells is being vented directly to the atmosphere via the bypass stack at the former thermal oxidizer. The methane concentration of the exhaust is monitored on a weekly basis during normal operation. The results for this reporting period are summarized in Figure 7. As shown in Figure 9, the system was off-line temporarily in 2020 while the local utility company replaced electric lines at the OBSWDC. When the system was restarted the methane concentration of the landfill gas collected was initially 4.5%, but quickly dropped to around 1.5% and then back to around 0.1 to 0.4% for the rest of the reporting period. The average operational methane concentration during the reporting period was 0.31%, which is consistent with the fact that the OBL closed nearly 40 years

FIGURE 4 – VIEW OF CAP AREA BURNED BY BRUSH FIRE (JULY 23, 2020)

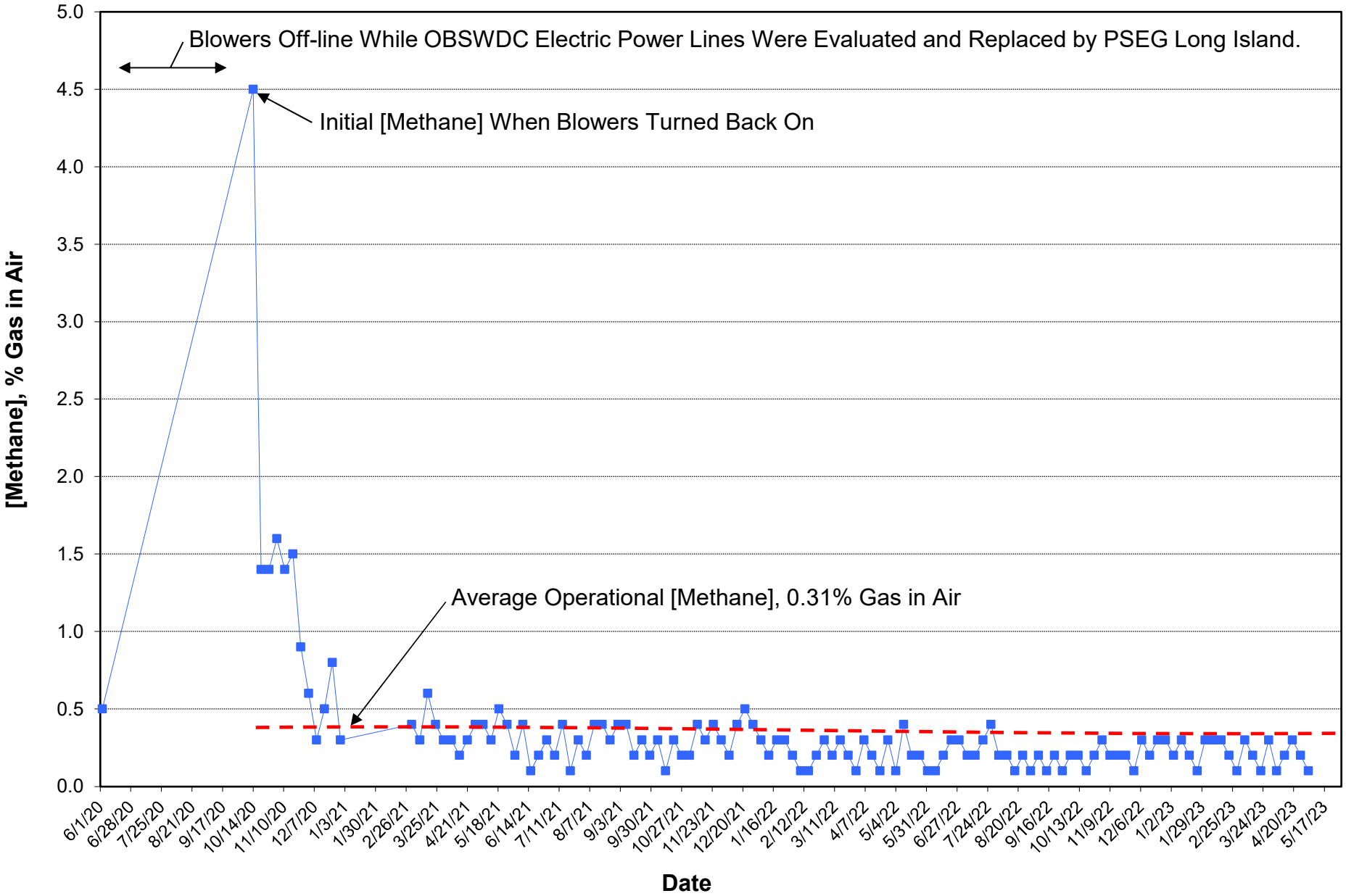
FIGURE 5 – VIEW OF BURNED CAP AREA AFTER RESEEDING (JULY 1, 2021)

FIGURE 6 – VIEW OF LANDFILL PLATEAU LOOKING SOUTH (MAY 10, 2023)

FIGURE 7 – VIEW OF WESTERN SLOPE OF LANDFILL (MAY 10, 2023)

FIGURE 8 – VIEW OF SOUTHWEST CORNER OF LANDFILL (MAY 10, 2023)

Figure 9. [Methane] of Landfill Gas Collection System Exhaust, June 2020 - May 2023



ago and continues to age. Since the methane concentration is so low, Figure 7 no longer contains data on the barometric pressure at the time the readings are taken.

The current average methane concentration of the exhaust is less than one-tenth of the 4.5% - 5.5% concentration in 2008 that the NYSDEC deemed an acceptable level by the NYSDEC to allow direct venting of the exhaust because it did not exceed permitting or regulatory thresholds, or significantly impact ambient air quality. Since the current methane concentration of the exhaust is much lower than in 2008, and the blower flow rate is the same or lower, that assessment is still valid.

The NYSDEC has also requested that the Town monitor the VOC concentration of the exhaust on an annual basis. Three rounds of this monitoring were performed during this review period. The 2021 and 2022 results indicate that VOC concentrations in the exhaust are much lower than permitting thresholds. The 2023 results were not available for this PRR and will be submitted to the NYSDEC in RTP's 2023 Master Report and summarized in the Tenth PRR.

Zero Percent LFG Migration Survey

Three annual zero percent LFG migration surveys were performed during this review period, in September 2021, November 2022, and May 2023. The results of the 2021 and 2022 surveys were submitted to the NYSDEC in RTP's Annual Master Reports and are summarized in this PRR. The results of the 2023 survey were not available for this PRR and will be submitted to the NYSDEC in RTP's 2023 Master Report and summarized in the Tenth PRR.

The surveys entailed measuring shallow subsurface LFG concentrations at intervals of approximately 50 feet along the entire perimeter of the OBL, and along the OBSWDC property boundary. The results of the surveys indicate that the zero percent gas contour coincides with, or lies within, the perimeter of the landfill cap, and that no LFG was detected along the OBSWDC property line.

During the 2021 survey, low levels of methane ranging from 4% to 18% of the LEL were detected at four monitoring points within the former Phase 2 pit area but were attributed to localized conditions (e.g., presence of compost). These locations are separated from the OBL by standing water in the former Phase 2 pit area. Methane was not detected at these four locations during the 2022 survey.

Overall, the survey results for this reporting period continue to indicate that the perimeter LFG collection system is preventing off-site migration of LFG and/or is no longer required.

Perimeter Well and Building/Structure Interior Methane Monitoring

Three annual perimeter well methane surveys were performed during this review period, in September 2021, November 2022, and May 2023. The results for the 2021 and 2022 surveys were submitted to the NYSDEC in RTP's Annual Master Reports and are summarized in this PRR. The results for the 2023 survey were not available for this PRR and will be submitted to the NYSDEC in RTP's 2023 Master Report and summarized in the Tenth PRR.

Each round entailed monitoring up to 44 wells located along the OBSWDC property near the OBL and on the Nassau County Fire Service Academy for methane. No significant concentrations of methane were detected along the perimeter of the OBSWDC property. During the 2022 survey, methane was detected at 42% of the LEL in Well F-9 (20 feet) at the FTC Site, but is not attributed to the OBL based on the prior non-detectable results for this well and current results for the other wells located between it and the OBL.

Annual building/structure interior methane monitoring rounds were also performed in September 2021 and November 2022, and these results were also submitted to the NYSDEC in RTP's Annual Master Reports. The interiors of the on-site buildings that are accessible were surveyed for methane. No significant concentrations of methane were detected.

Leachate Treatment Facility

The LTF is permitted to operate eight hours per day, five days per week. The LTF effluent is discharged to the Nassau County sewer under Industrial Discharge Permit No. 45. Self-monitoring is performed twice per year for permit-required parameters, and semiannual compliance reports are submitted to the County. A copy of the most recent self-monitoring results are provided in Appendix A. The current three-year discharge permit expires on August 31, 2023, and will be renewed prior to expiration. A copy of the new permit will be provided with the Tenth PRR.

In early 2016, the Town was granted approval from the County to bypass the LTF and discharge OBL leachate directly to the sewer system. The approval was based on sampling and laboratory analysis of raw leachate samples for County parameters, and comparison of the results to the County's discharge standards. A copy of the County approval was provided in the Fourth PRR. A bypass may be constructed in the future.

Ambient-Air Quality, Soil-Gas Quality and Soil-Gas Pressure Monitoring Results

Four rounds of this annual monitoring were performed during this review period in June 2020, September 2021, December 2022, and May 2023. The results for the 2020 through 2022 rounds were submitted to the NYSDEC in RTP's Annual Master Reports and are summarized in this PRR. The 2023 results were not available for this PRR and

will be submitted to the NYSDEC in RTP's 2023 Master Report and summarized in the Tenth PRR.

To date, the ambient air monitoring results have indicated that the OBL has little to no impact on ambient air VOC concentrations; and that background air quality is the primary source of most of the VOCs detected in both the upwind and downwind samples. Some VOCs are typically detected in the soil-gas samples, but at concentrations much lower than the NYSDEC DAR-1 SGCs. Soil-gas pressures are typically zero or negative, indicating proper function of the perimeter LFG collection system. Slightly positive soil-gas pressure readings were observed during the 2022 round but are attributed to the influence of a rapidly falling barometer on the results. Moreover, this monitoring has demonstrated that direct-venting of the low-VOC LFG from the perimeter collection system does not significantly affect air quality in the vicinity of the OBL.

IV. IC/EC Plan Compliance Report

IC/EC Requirements and Compliance

Institutional Controls

The following four institutional controls in the RAP still apply to the OBL:

- The groundwater aquifer requirements in Table 2 of the RAP
- The need to operate the LFG collection system per State landfill regulations
- The need to operate the LTF in accordance with State and County requirements
- The analytical methods for groundwater listed in Table 6 of the RAP

The groundwater aquifer requirements in Table 2 of the RAP were used to assess the voluntary post-termination monitoring results for Recovery Wells RW-1 and RW-2. These limits were augmented by the Ambient Water Quality Standards in 6NYCRR Part 703.5 and the Guidance Values in TOGS 1.1.1, for Class GA (Potable Water). Specifically, the results for the six 2020 through 2022 rounds were compared to the VOC and inorganic limits in Table 2 of the RAP, the standards in Part 703.5, and the guidance values in TOGS 1.1.1, as appropriate, and continue to indicate that further post-termination is not warranted.

The primary goal of the State landfill regulations for LFG is to prevent lateral subsurface migration of potentially explosive levels. During this review period, compliance was verified by the September 2021 and November 2022 zero percent LFG migration surveys and perimeter gas well and building/structure methane monitoring rounds, which confirmed that LFG is not migrating beyond the perimeter of the landfill cap, and continues to be basically non-detectable at the property line. These results were submitted to the NYSDEC in RTP's Annual Master Reports for the corresponding year. Based on the findings, the Town may petition the NYSDEC to switch perimeter LFG collection from active to passive and/or reduce, eliminate or modify the associated monitoring programs.

The Consent Decree required that the Town complete, operate and maintain the gas collection system. The system was constructed between 1981 and 1995 and was designed to control off-site migration of the LFG generated by the OBL. As the OBL aged, the levels of LFG diminished, resulting in a gas-to-energy contractor leaving the site in 2003. In addition, in May 2008, the thermal oxidizer became inoperable, primarily due to low methane levels in the LFG, as well as equipment problems. The Town began direct-venting of the LFG collected by the perimeter system. An assessment by the Town's air monitoring consultant, RTP, determined that this modification did not result in significant air-quality impacts. Accordingly, in 2011 the Town requested that it be allowed to discontinue operation of the LFG thermal oxidizer permanently, and provided supporting documentation to the NYSDEC. The request was approved in October 2012, and as required the Town began to monitor the methane concentration of the exhaust

weekly to ensure that it remains acceptably low. In 2016, the Town also began monitoring VOC concentrations in the exhaust annually, as requested by the NYSDEC. The results of the weekly exhaust methane monitoring are provided in this PRR. The results of this monitoring to date indicate that LFG collection system emissions are acceptably low. Accordingly, the Town may petition the NYSDEC to reduce or eliminate this monitoring.

The LTF effluent is permitted to discharge to the Nassau County sewer system under Industrial Discharge Permit No. 45. This three-year permit expires on August 31, 2023 and will be renewed prior to expiration. Semiannual self-monitoring and reporting was performed as required during the reporting period, and indicates that the LTF effluent complies with discharge limits. As noted previously, based on comparison of additional raw leachate monitoring results to County discharge standards, the Town requested and received approval to discharge OBL leachate directly to the sewer system. A bypass may be constructed in the future.

The analytical methods in Table 6 of the RAP are intended to ensure that analyses of groundwater are accurate, precise and reproducible. These are the methods that were current when the RAP was developed. They are still followed in principal, but have been updated periodically, as appropriate, to reflect advances in laboratory technology. All groundwater analyses were performed by State-certified environmental laboratories using current, approved methods. No changes are recommended at this time.

In addition to the above institutional controls, the OBSWDC is surrounded by a fence with a gated entrance to control access. The fence and gate are inspected on a regular basis. The entrance is manned by Town personnel during operating hours, and visitors must sign in. At all other times, the entrance gate is closed and locked. To date, the existing fence and gate have been sufficient to prevent unauthorized access to the OBSWDC. No changes are recommended at this time.

A deed restriction is required under State law to notify any future landowners of the existence of the former landfill. The document consists of a letter regarding the presence of the OBL, a map showing the boundaries of the OBL, and a statement meeting the regulatory requirements indicating that remedial systems are in place and future site activities shall not compromise these systems. The deed restriction was filed with the Office of the County Clerk in June 2017.

Engineering Controls

The RAP specified the following engineering controls for the OBL:

- The five recovery wells in Bethpage State Park
- The GTF and related appurtenances
- The recharge basin with leaching wells located on the west side of the OBL
- The landfill capping system

- The landfill gas collection system and thermal oxidizer
- The leachate collection and treatment system

The five recovery wells are located offsite, downgradient of the OBL in Bethpage State Park, and are screened in the intermediate and deep zones of the Magothy Aquifer. The purpose of the five recovery wells was to contain and recover the VOC plume from the OBL. Based on the hydraulic and water-quality monitoring results in previous PRRs these objectives appear to have been met. Specifically, Recovery Wells RW-1 and RW-2, which collected the VOC plume from the OBL only, were basically non-detectable for VOCs for several years prior to the NYSDEC taking over the GTF on October 1, 2016. This indicated that the VOC plume from the OBL had likely been remediated to the extent feasible. Accordingly, with NYSDEC approval, the Town shut down Recovery Wells RW-1 and RW-2, and entered post-termination monitoring for these two recovery wells. The scope of this monitoring required sampling of up to 13 wells selected by the NYSDEC for RAP parameters semiannually for three years, and reporting. The last round of required monitoring was performed during the previous review period in August 2019. A cumulative Final Post-Termination Monitoring Report was submitted to the NYSDEC in March 2020, and concluded that no further post-termination monitoring is warranted. The Town is still performing this monitoring voluntarily pending receiving a NYSDEC response to the report. The Town was not involved with the operation, maintenance or monitoring of the GTF or other recovery wells during this review period. No further changes are proposed at this time.

The main recharge basin for the GTF is Recharge Basin No. 1, which is located on the west side of the OBL. A system of diffusion wells was installed in the bottom of this basin to improve percolation, but the basin has always had limited recharge capability. Therefore, the GTF flow was normally split between Recharge Basin No. 1 and Town Recharge Basin No. 33, which is located on the east side of the OBL across Winding Road, and although smaller, has good recharge capability. Following discussions with the Town, an agreement was executed between the Town and the NYSOPRHP (New York State Office of Parks, Recreation and Historic Preservation) whereby the NYSOPRHP installed a pump station adjacent to Town Recharge Basin No. 33, and since the spring of 2008 has utilized the treated water in this basin seasonally for golf course irrigation. Under the Site Transfer Agreement, the Town retained ownership of the recharge basins. Therefore, no changes are recommended.

The landfill capping system was designed and constructed in accordance with the NYSDEC regulations in effect at that time, and consists of an 18-inch-thick low permeability clay cap overlain by a minimum 12-inch-thick vegetated growing medium. Patrol roads provide access, and a system of gabion chutes, benches and ditches collect storm water runoff, which is directed to recharge basins. The purpose of this system is to prevent infiltration of precipitation, thereby minimizing the amount of leachate generated by the OBL. Based on its current condition, as discussed previously in Section III of this PRR, this system is in good condition overall and therefore presumed to be effective in preventing infiltration of precipitation. No changes are proposed at this time.

The LFG collection system consists of 36 perimeter gas collection wells, approximately 9,000 feet of transmission header, and a blower station. Previously, it also had three interior wells, which have been abandoned; and a thermal oxidizer, which is no longer in operation. Since May 2008, the LFG collected by the perimeter wells has been vented directly to the atmosphere. The purpose of the LFG collection system is to prevent lateral subsurface migration of LFG. Based on the zero-percent LFG migration surveys and perimeter well and building/structure monitoring performed in September 2021 and November 2022, this objective is being met. Specifically, no significant concentrations of gas were detected at the OBL boundary, at the OBSWDC property line, or within accessible, existing on-site buildings and structures. During the 2022 survey, methane was detected in Well F-9, 20 feet at the FTC Site, but is not OBL-related based on the prior non-detectable results for this well and the non-detectable results for other wells located between it and the OBL. Accordingly, as noted above, the Town may petition the NYSDEC to switch perimeter LFG collection from active to passive and/or reduce, eliminate or modify the associated monitoring programs.

As reported previously in Section III, the thermal oxidizer became inoperable in May 2008, primarily due to insufficient LFG methane content of the LFG. Therefore, to continue preventing off-site subsurface gas migration while protecting air quality, the three remaining interior wells were disconnected, and the LFG perimeter collection system continued to operate with the low-concentration LFG directly vented to the atmosphere. An assessment by the Town's air monitoring consultant, RTP, determined that this modification did not exceed the permitting threshold or significantly impact ambient-air quality. This finding was supported by the results of subsequent ambient air monitoring rounds. In 2011, the Town requested approval to cease operation of the LFG thermal oxidizer permanently and continue direct-venting of the low-concentration LFG collected by the perimeter wells.

The NYSDEC approved the Town's request in a letter dated October 17, 2012; and the Town implemented the weekly monitoring for methane requested by the NYSDEC. The results of the monitoring during this review period indicate that methane concentrations of the exhaust are currently less than one-tenth the 2008 values that were used to determine that this modification does not result in air-quality impacts.

In 2016, the Town also implemented annual monitoring of the exhaust for VOCs at the request of the NYSDEC. The results to date indicate that exhaust VOC concentrations are lower than the NYSDEC DAR-1 SGCs and that total VOC emissions remain below permitting thresholds. The concentrations of two to four VOCs in the exhaust are typically higher than their NYSDEC DAR-1 AGCs, but are diluted by dispersion. Modeling by RTP confirmed that the concentrations of these VOCs are lower than the DAR-1 AGCs at the downwind property line. Therefore, the modification continues to be acceptable. As noted previously, based on the monitoring results to date, the Town may petition the NYSDEC to reduce or eliminate this monitoring.

The LTF consists of leachate pumps, an equalization basin, physical/chemical treatment equipment, sludge drying beds, and a storage facility; and is permitted to discharge up to 144,000 gallons of treated leachate per day. The LTF effluent meets permit requirements. The quality of the OBL leachate has improved over time. In early 2016, the Town received County approval to discharge the OBL leachate directly to the sewer system. A bypass may be constructed in the future. The three-year discharge permit expires on August 31, 2023 but will be renewed prior to expiration. No changes are recommended at this time.

IC/EC Certification

The Institutional and Engineering Controls Certification Form provided by the NYSDEC has been completed as appropriate, and is provided at the end of this section on Pages 18a-e.

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 130001

Site Name Old Bethpage Landfill

Site Address: Bethpage-Sweethollow Road Zip Code: 11804
City/Town: Old Bethpage
County: Nassau
Site Acreage: 65.000
Reporting Period: ~~May 31~~ June 1, 2020 to May 31, 2023

	YES	NO
1. Is the information above correct?	☐	☒
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☒*	☐

*Renewal applications for transfer station and park use permits submitted 12/19/22 and 3/21/23.

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.**

** See Appendix B.

	YES	NO
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☒	☐
7. Are all ICs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

N/A

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 130001 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
47-153-8	TOWN OF OYSTER BAY	
	* Three years (six rounds) of required post-termination monitoring for Recovery Wells RW-1 and RW-2 were completed in August 2019 and the report was submitted to DEC in March 2020. The Town is still waiting for DEC to review/approve that report. The Town continued to perform semiannual post-termination monitoring during this PRR reporting period.	Ground Water Use Restriction Landuse Restriction
	The Town also submitted a revised work plan to sample OBL for emerging contaminants to EPA during this PRR reporting period on August 16, 2022, based on agency comments on the draft work plan, and is still awaiting agency approval of the revised work plan.	Monitoring Plan* Site Management Plan (SMP) O&M Plan (Serves as SMP)

Decision document: Consent Decree signed March 1988. The Consent Decree required the Town to design, construct, operate, maintain, and monitor remedial activities at the Old Bethpage Landfill. Details of the activities are provided in the Consent Decree, but also summarized below:

1. Install a system of groundwater recovery wells;

2. Operate and maintain these groundwater recovery wells to create a hydraulic barrier and to attain specified groundwater criteria;

3. Treat and discharge the extracted and collected groundwater in compliance with the site groundwater and air discharge requirements;

4. Complete, maintain, and monitor the current capping and gas and leachate collection programs as per the closure requirements of New York State Regulation 6 NYCRR Part 360;

5. Carry out and comply with the requirements for sampling, analysis and health and safety.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
47-153-8	Groundwater Treatment System*
	Vapor Mitigation
	Cover System
	Groundwater Containment*
	Leachate Collection
	~~Vapor Mitigation~~
	~~Cover System~~ (Deleted because they are duplicated above.)
	~~Leachate Collection~~
	Fencing/Access Control

* The DEC took over operation of the groundwater treatment system on October 1, 2016.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

N/A

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 130001

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Richard W. Lenz, PE (print name) at 150 Miller Place, Syosset, NY 11791 (print business address),

am certifying as Commissioner of Public Works (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date: 6/20/23

EC CERTIFICATIONS

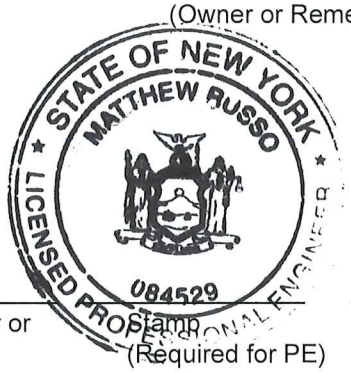
Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Matthew Russo, PE (print name) at 150 Miller Place, Syosset, NY 11791 (print business address),

am certifying as a Professional Engineer for the Town of Oyster Bay Department of Public Works (Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

6/20/2023
Date

V. Monitoring Plan Compliance Report

The current components of the OBL monitoring plan are summarized in Table 4 below:

Table 4. Current OBL Monitoring Plan Components

COMPONENT	FREQUENCY OF MONITORING			
	SEMIANNUALLY	ANNUALLY	WEEKLY	OTHER
GROUNDWATER-QUALITY MONITORING				
Post-termination RW-1 and RW-2	X (Voluntarily)			
LFG COLLECTION SYSTEM MONITORING				
Perimeter collection system exhaust		X (VOCs)	X (Methane)	
Zero percent migration survey		X		
LEACHATE COLLECTION AND TREATMENT SYSTEM MONITORING				
Self-monitoring and reporting	X			
Permit renewal				Every 3 Years
SUPPLEMENTAL MONITORING OF AMBIENT AIR AND SOIL GAS				
Ambient air quality at 3 locations		X		
Soil-gas quality at 6 locations		X		
Soil-gas pressure at 3 locations		X		
Perimeter gas wells for methane		X		
Buildings/structures for methane		X		

The status of each type of monitoring during the reporting period is summarized below:

- The sixth and final round of required post-termination monitoring for Recovery Wells RW-1 and RW-2 was performed during the previous review period, in August 2019. The required cumulative Final Post-Termination Monitoring Report summarizing and evaluating the results of all six rounds was submitted to the NYSDEC in March 2020. It concluded that further post-termination monitoring was not warranted. The NYSDEC has not yet responded to the report. In the interim, the Town has voluntarily continued to perform the monitoring and reporting and seven additional rounds have been completed.
- The perimeter LFG collection system operates one to two blowers, one to two days a week. Monitoring of the exhaust from the perimeter LFG collection system for methane was performed on a weekly basis, and indicates that the average methane concentration of the exhaust is now less than one-tenth the 2008 value used to determine that direct venting to the atmosphere does not result in significant air-quality impacts. Three rounds of exhaust monitoring for VOCs were performed during this review period. The results available for this PRR, and modeling, indicate that VOC levels in the exhaust continue to be suitably low. As such, the Town may petition the NYSDEC to reduce or eliminate this monitoring.
- The results of the zero gas migration surveys performed during this review period continue to indicate that landfill gas is not migrating beyond the landfill cap boundary or offsite. The results are consistent with the annual perimeter well and building/structure monitoring rounds performed during this review period, which

did not detect significant concentrations of OBL-related methane. Accordingly, the Town may petition the NYSDEC to switch LFG collection from active to passive and/or reduce, eliminate or modify the associated monitoring programs.

- Semiannual self-monitoring and reporting for the LTF effluent was performed during the reporting period, and indicate that it meets County discharge limits. These results are not submitted to the NYSDEC in separate reports, so a copy of the most recent results is provided in Appendix A of this PRR. The three-year industrial discharge permit expires on August 31, 2023. It will be renewed prior to expiration, and a copy of the new permit will be provided in the Tenth PRR.
- Four rounds of annual ambient-air quality, soil-gas quality and soil-gas pressure monitoring were performed during this review period. The results were, or will be, submitted to the NYSDEC in RTP's Annual Master Reports for the corresponding year. The results to date indicate that the OBL has very little or no impact on ambient-air VOC concentrations and that background air quality and/or off-site sources are likely the primary sources of most of the VOCs detected in both the upwind and downwind samples. Some VOCs are typically detected in soil gas samples, but at concentrations much lower than the NYSDEC DAR-1 SGCs. Soil-gas pressures are typically zero or negative, indicating proper function of the perimeter LFG collection system. Slightly positive readings were observed during the 2022 round but are attributed to the influence of a rapidly falling barometer.

Based on the above information, during this review period all required monitoring and reporting was performed, and all required permits were in place.

VI. Operation & Maintenance (O&M) Plan Compliance Report

The remedial program for the OBL predates the requirements for the preparation of a site management plan. The requirements of the RAP are stipulated in the Consent Decree. The O&M requirements for the RAP systems are included in the individual O&M manual for each system. These O&M manuals provide general guidance to resolve issues that could be expected to occur during system operation. The Consent Decree also stipulates reporting and data requirements during the operating period. RAP Reports were prepared and submitted to the NYSDEC quarterly through the third quarter of 2016. With NYSDEC takeover of the GTF on October 1, 2016, RAP reports were no longer required. The six required rounds of semiannual post-termination monitoring and reporting for Recovery Wells RW-1 and RW-2 have been completed. The Final Post-Termination Monitoring Report, summarizing and evaluating the results of all six rounds, was submitted to the NYSDEC in March 2020. The NYSDEC has not yet responded to the report. In the interim, the Town has voluntarily continued to perform this monitoring and reporting and has completed seven additional rounds.

In addition to the RAP systems, the OBSWDC contains the Town's solid waste management facilities including a municipal solid waste transfer station, a scale-house facility, recyclables facilities, yard waste transfer site, and CVM (Central Vehicle Maintenance) facility. Therefore, the Town has a staff of approximately 10 employees onsite who conduct the operation and maintenance activities. Consequently, visual inspections are typically performed on a daily basis and routine maintenance is subsequently performed by Town forces as necessary. When maintenance requirements are beyond the abilities of Town personnel, contracts are prepared to conduct the maintenance or repair work.

The following paragraphs provide a description of typical operation and maintenance activities for each of the RAP systems, and the specific activities performed during this review period.

Landfill Capping System

Typical operation and maintenance activities for the landfill capping system include: inspection and routine maintenance of the cap surface including mowing vegetation during the growing season; filling in areas where material may have settled or eroded to maintain proper slopes; removing vegetation and/or debris from drainage ditches; and maintaining surface material in access roads and benches. Work during the reporting period included mowing vegetation, ditch maintenance and repair of eroded areas. In addition, the 16-acre area burned in the July 2020 brush fire was mowed, raked and reseeded during the Spring 2021 growing season to augment the partially regenerated vegetative cover.

Landfill Gas Control System

Typical operation and maintenance activities for the LFG control system include: inspection and routine maintenance of extraction wells; header pipe; blower station, controls and the exhaust stack. Activities during this reporting period included weekly monitoring of the perimeter collection system exhaust for methane and annual monitoring of the exhaust for VOCs to ensure that emissions are acceptably low; and replacement of the drive belts on the blower motors.

Leachate Treatment Facility

Typical operation and maintenance activities for the LTF include: inspection and routine maintenance of leachate collection well vaults, pumps, appurtenances; influent/effluent pumps; tanks; building facilities; controls; equalization basin and sludge drying beds. The effluent was also monitored semiannually for permit-required parameters and is in compliance with discharge limits. The Town received County approval to discharge leachate directly to the sewer system without treatment in 2016, and a bypass may be constructed in the future. The three-year permit expires on August 31, 2023, and will be renewed prior to expiration. A copy of the new permit will be provided in the Tenth PRR.

VII. Overall PRR Conclusions and Recommendations

Based on the above information, the Town concludes that during this review period it complied with Consent Decree Civ. 5357, as well as the institutional and engineering requirements that are applicable to the OBL. This conclusion in based on the following:

- The Town voluntarily continued to perform post-termination monitoring for Recovery Wells RW-1 and RW-2. Seven additional rounds of monitoring were performed during this reporting period, and the results support the determination in the March 2020 Final Post-Termination Monitoring Report that further post-termination monitoring is not warranted.
- The Town maintained the landfill capping system in good condition, thereby preventing infiltration of precipitation and minimizing the amount of leachate generated by the OBL. Most of the cap vegetation burned in the July 2020 brush fire regenerated quickly and was augmented by reseeding in the Spring of 2021.
- The Town operated the perimeter LFG collection system and maintained a zero percent LFG migration line at the OBL boundary, as documented by the results of the annual zero-percent LFG migration surveys and perimeter gas well and building/structure monitoring rounds performed during this review period.
- The Town monitored the perimeter LFG collection system exhaust weekly for methane during this review period, and the results continue to indicate that emissions are acceptably low.
- The Town operated the LTF and performed semiannual self-monitoring and reporting per permit requirements. The LTF effluent continued to meet discharge limits. Due to improved leachate quality, the Town obtained County permission to discharge leachate untreated to the sewer system, and a bypass may be constructed in the future. The Town will renew the industrial discharge permit for the LTF before it expires on August 31, 2023.
- The Town performed regular inspection, and maintenance as appropriate, of the gas collection system, landfill capping system, LTF and related appurtenances as required in the respective O&M Manuals for the OBSWDC.
- Four rounds of annual ambient-air quality, soil-gas quality and soil-gas pressure monitoring were performed during this review period, as required.

Accordingly, the Town concludes that during this review period its remaining obligations under the RAP were performed adequately, and that they achieved the remedial objectives for the OBL.

Since perimeter LFG concentrations have been basically non-detectable for years, and the methane concentration of the LFG collection system exhaust continues to exhibit a decreasing trend, it is also recommended that the Town investigate the feasibility of turning off the perimeter LFG collection system and allowing the LFG to vent passively and/or reducing, eliminating or modifying the associated monitoring.

APPENDIX A

Laboratory Results for June 13, 2023 LTF Effluent Sample

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: SEMI-ANNUAL PLANT DISCHAR 6/13
Pace Project No.: 70259557

Sample: LTF EFFLUENT 06132023 **Lab ID: 70259557001** Collected: 06/13/23 11:30 Received: 06/13/23 11:47 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Copper	**<25.0**	ug/L	25.0	1	06/15/23 07:29	06/15/23 14:02	7440-50-8	
Lead	**<5.0**	ug/L	5.0	1	06/15/23 07:29	06/15/23 14:02	7439-92-1	
Zinc	**<20.0**	ug/L	20.0	1	06/15/23 07:29	06/15/23 14:02	7440-66-6	
2540D Total Suspended Solids	Analytical Method: SM22 2540D Pace Analytical Services - Melville							
Total Suspended Solids	**14.7**	mg/L	3.3	1		06/20/23 11:02		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Melville							
Chemical Oxygen Demand	**55.7**	mg/L	10.0	1	06/22/23 05:31	06/22/23 07:51		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**7.8**	Std. Units	0.10	1		06/19/23 22:21		H3,H6, N3
Temperature, Water (C)	**6.5**	deg C	0.10	1		06/19/23 22:21		H3,H6
4500 Chloride	Analytical Method: SM22 4500-Cl-E Pace Analytical Services - Melville							
Chloride	**175**	mg/L	10.0	5		06/15/23 11:32	16887-00-6	

REPORT OF LABORATORY ANALYSIS

APPENDIX B

Copies of Permit-Related Information

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 1
SUNY @ Stony Brook, 50 Circle Road, Stony Brook, NY 11790
P: (631) 444-0365 I F: (631) 444-0360
www.dec.ny.gov

June 21, 2018

Town of Oyster Bay
150 Miller Place
Syosset, NY 11791-5603

RE: Permit No.: 1-2824-00528/00005

Dear Permittee:

In conformance with the requirements of the State Uniform Procedures Act (Article 70, ECL) and its implementing regulations (6NYCRR, Part 621) we are enclosing your permit identified above. Please read all permit conditions carefully to ensure compliance during the term of the permit. If you are unable to comply with any conditions, please contact us at the above address.

This permit must be kept available on the premises of the facility at all times.

Sincerely,

Susan V. Ackerman
Permit Administrator

SVA/ls

PERMIT

Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
TOWN OF OYSTER BAY

150 MILLER PL
SYOSSET, NY 11791-5603
(516) 677-5935

Facility:
OLD BETHPAGE SOLID WASTE TRANSFER STATION
101 BETHPAGE-SWEETHOLLOW RD
OLD BETHPAGE, NY 11804

Facility Application Contact:
CASHIN ASSOCIATES PC
1200 VETERANS MEMORIAL HWY
HAUPPAUGE, NY 11788
(631) 348-7600

Facility Location: in OYSTER BAY in NASSAU COUNTY
Facility Principal Reference Point: NYTM-E: 631.1 NYTM-N: 4513.2
Latitude: 40°45'33.6" Longitude: 73°26'48.6"
Authorized Activity: Operate a solid waste management facility receiving a total of 28,500 tons per month of waste conisisting of municipal solid waste, construction and demolition debris, yard trimmings, tree debris, source separated recyclables, electronic waste, white goods, and metal.

Solid Waste Management Activity Nos.:
Transfer Facility - 30TP0100

Permit Authorizations

Solid Waste Management - Under Article 27, Title 7
Permit ID 1-2824-00528/00005
Renewal Effective Date: 6/19/2018 Expiration Date: 6/18/2023

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: SUSAN ACKERMAN, Deputy Regional Permit Administrator
Address: NYSDEC Region 1 Headquarters
SUNY @ Stony Brook|50 Circle Rd
Stony Brook, NY 11790 -3409

Authorized Signature: _____ Date 6/21/2018

Distribution List

CASHIN ASSOCIATES PC
MANOARA BEGUM

Permit Components

SOLID WASTE MANAGEMENT PERMIT CONDITIONS

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

SOLID WASTE MANAGEMENT PERMIT CONDITIONS

1. **Conformance With Plans** All activities authorized by this permit must be in strict conformance with the permit application, plans and materials prepared by Cashin Associates, PC on February 2013, amended May 2013, updated November 2017..

2. **Terms of Operation, Approval for Changes** The facility shall be operated in conformance with:

a. Terms and conditions of this permit;

b. Current 6 NYCRR Part 360 Solid Waste Management Facilities regulations, or any revisions hereafter promulgated;

c. The Engineering Report for OBSWDC Transfer Station Permit Renewal prepared by Cashin Associates, PC dated February 2013, amended May 2013 and updated May 18, 2015 and November 2017.

Any revision to the above approved documents identified in item (c) of this condition or to the operations at this site requires prior written approval from the Department. The permittee shall not add a facility component that would otherwise qualify as an exempt or registered facility, unless the permittee first receives a modified permit to incorporate the additional component of the operation. If any of the above documents conflict with any condition of this permit, the permit condition shall prevail.

In the event that the operator or facility operations change before the term of this permit expires, a revised Engineering Report or Operations Plan must be submitted to the Department within 60 days of the change.

3. **Authorized Activity** Operate a solid waste management facility receiving a total of 28,500 tons per month of waste consisting of municipal solid waste, construction and demolition debris, yard trimmings, tree debris, source separated recyclables, electronic waste, white goods, and metal.

The permittee may accept household hazardous waste (HHW) in accordance with a valid HHW collection day registration.

4. **Unacceptable Wastes** The permittee is prohibited from accepting the following type(s) of waste: liquid wastes, hazardous wastes(this does not include HHW collected during Department approved collection events), industrial wastes, asbestos wastes and medical wastes.

The permittee shall not receive any load of MSW containing source-seperated recyclables that have been commingled with MSW.

5. **Waste Handling** The permittee shall comply with the following requirements:

a. All activities, including but not limited to loading, unloading, sorting, processing, and storage, shall be performed inside the enclosed building. This includes MSW; source separated recyclables; C&D debris; and yard trimmings which includes grass clippings and leaves. This does not apply to the following:

i. C&D debris consisting only of recognizable uncontaminated concrete, asphalt pavement, rock, brick, and soil may be handled outdoors in the location indicated in the facility's site plan.

ii. Metals and white goods.

b. E-waste shall be stored inside the building or in an enclosed weatherproof storage container. E-waste shall be handled in a manner to minimize breakage. E-waste must be placed on pallets and tarped to for protection from adverse weather conditions, and shall be managed in compliance with applicable laws and regulations.

c. At the end of each workday the facility and tipping areas shall be cleaned of any solid waste. All overnight storage of solid waste shall be in the respective storage areas. The building shall be cleaned of all waste at least one day per week.

6. **Maximum Quantity Onsite** The permittee shall not exceed the following quantities onsite:

a. 5500 cubic yards of waste including recyclables inside the transfer station.
b. 15,000 cubic yards of recognizable uncontaminated concrete, asphalt pavement, brick, soil or rock at any time combined for processed and unprocessed.

7. **Hours of Operation** Hours of operation shall not conflict with any local laws or ordinances. The permittee shall limit the hours and days of operations from 6:30 AM to 4:00 PM, Monday through Friday. The permittee is authorized to operate one weekend day per month from 7:00 AM to 5:00 PM for the Town's Homeowners Cleanup Program or HHW collection events. Additional days may be requested and authorized by written correspondence with the Department.

8. **Signs** The permittee shall post signs showing hours of operation, and indicating that hazardous waste, industrial waste, medical waste, liquid waste, and asbestos waste are prohibited from being accepted at the facility. The signs shall be located so that they are visible to any vehicles and/or person entering the facility.

9. **Waste Control** An attendant shall be on duty during all hours of operation. The attendant shall inspect all vehicles entering the facility, rejecting any loads containing unauthorized material.

10. **Control of Nuisance Conditions** Odors, dust, insects, vectors, noise, blowing litter and other potential nuisances shall be adequately controlled at all times. The permittee shall immediately implement any controls required by the Department including cessation of facility operations.

11. **Fire Protection and Detection** The permittee shall maintain fire protection and detection equipment in accordance with local laws and ordinances.

12. **Cessation of Operations** The permittee shall verbally notify the Department within 18 hours of any occurrence of any event which causes the facility to cease operation for a period of 48 hours or more. Such an event would include a fire, spill, equipment breakdown, or similar event. A written report shall be submitted to the Department within 7 days of the event.

13. **Ultimate Disposal of Waste** All solid waste passing through the facility must be ultimately disposed of at a facility authorized by the Department if located in New York State, or by the appropriate governmental agency or agencies if in other states, territories, or nations.

14. **Unauthorized Waste** In the event that any hazardous waste, medical waste, or other regulated waste not allowed under this permit is accepted at the facility, the unauthorized waste shall be contained and properly secured immediately. The permittee shall notify the Department and the Nassau County Department of Health Services within 24 hours of the event. The waste material shall be removed by a waste transporter authorized under 6 NYCRR Part 364 to transport such waste. A written report shall be submitted to the Department within 7 days of the event.

15. **Small Spill Containment** The facility shall keep available at the site, equipment and materials necessary to contain small quantities of chemicals or spills. These materials shall be stored in well identified accessible storage areas. As a minimum, the following must be available at all times:

4 - 55 gallon drums with covers and securing rings
400 lbs. absorbent material (e.g. Speedi-Dri)
50 lbs. Boric Acid
50 lbs. Sodium Bicarbonate
Assorted brooms, shovels, gloves, masks, and other protective gear

16. **Maintenance and Repair of Facility** The permittee shall adequately maintain and make repairs to the facility as necessary. This includes any part of the facility, such as doors to buildings; odor and dust controls and equipment; punctures, holes, or other damage to buildings; minimizing the ponding of stormwater; and concrete and/ or asphalt pavement that becomes damaged or worn.

The permittee shall undertake all repairs immediately and have all work completed within one week. Repairs related to dust or odor controls must be completed within 24 hours. If the permittee is unable to complete repairs within the specified time outlined by this condition, the permittee shall provide an acceptable schedule to the Department which shall include a description of the work to be completed and any controls that will be implemented to ensure the facility remains in compliance with this permit, including the cessation of all or part of the facility operations.

17. **Comprehensive Recycling Analysis** The permittee must not accept waste from New York State that is generated within a municipality that is not included in a Department-approved comprehensive recycling analysis (CRA) or a Department approved local solid waste management plan (LSWMP).

18. **Recordkeeping Requirements** The permittee shall maintain the following records at the facility for a minimum of 7 years from the date of creation and be available immediately to the Department upon request:

a. Daily log of solid waste received and transported from the facility which includes:

i. Type, quantity, and origin of the solid waste received.
ii. Quantity and destination of all recyclables.
iii. Quantity and destination of all non-recyclables and residuals transported for disposal.

b. All weight tickets, hauling receipts, disposal receipts, invoices, tracking documents, etc. to support entries made into the daily log.

19. **Reporting Requirements** The permittee shall submit the original copy of the annual report to the Region 1 Office located at the New York State Department of Environmental Conservation, Division of Materials Management, 50 Circle Road, SUNY @ Stony Brook, NY 11790, and a copy to the Central Office at New York State Department of Environmental Conservation, Division of Materials Management, Bureau of Permitting and Planning, 625 Broadway, 9th Floor, Albany, NY 12233-7253. The report must be submitted on forms prescribed by or acceptable to the Department, no later than March 1 following each year of operation.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:

1. **Facility Inspection by The Department** The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. **Relationship of this Permit to Other Department Orders and Determinations** Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. **Applications For Permit Renewals, Modifications or Transfers** The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC Region 1 Headquarters
SUNY @ Stony Brook|50 Circle Rd
Stony Brook, NY11790 -3409

4. **Submission of Renewal Application** The permittee must submit a renewal application at least 180 days before permit expiration for the following permit authorizations: Solid Waste Management.

5. **Permit Modifications, Suspensions and Revocations by the Department** The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

a. materially false or inaccurate statements in the permit application or supporting papers;

b. failure by the permittee to comply with any terms or conditions of the permit;

c. exceeding the scope of the project as described in the permit application;

d. newly discovered material information or a material change in environmental conditions, relevant

technology or applicable law or regulations since the issuance of the existing permit;

e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. **Permit Transfer** Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification
The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit
The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits
The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights
This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

REVOCABLE PARK USE PERMIT
LONG ISLAND STATE PARK REGION
PERMIT OFFICE, P.O. BOX 247, BABYLON, NEW YORK
PHONE: (631) 321-3515

PERMIT NO 23-0158
ISSUED TO: **RTP Environmental Associates, Inc.**
Attn: Kenneth Skipka
400 Post Avenue
Westbury, NY 11590

EXPIRATION DATE: 12/31/2023
DATE OF ISSUE: 04/07/2023
TELEPHONE NO: 516-333-4526

PURPOSE: **PERFORM AIR QUALITY MONITORING**

LOCATION: **BETHPAGE STATE PARK - ROUND SWAMP ROAD, EAST OF 15TH FAIRWAY BLACK COURSE**

DATE(S) AND TIME(S): **Valid April 7th 2023 to December 31st 2023.**

FEE: $ NONE

CONDITIONS

1. This permit does not constitute a waiver of any applicable vehicular use fee or park entry fee, which must be paid at point of entry. Vehicles must be parked in designated area, and no reserved parking spaces will be assigned. Exceptions to this rule only if noted in Section 6 – Special Conditions.

2. This permit may be used only by the designated permittee and only for the purpose, location and time period stated.

3. This permit is issued with the understanding that all use made of the area designated will be in conformity with the rules and regulations of the Long Island State Park Region and the instructions of the Park Manager.

4. For the purpose of identification, this permit must be carried on your person and be available if requested by a park officer or park employee.

5. The sale or vending of any foodstuffs, refreshments, merchandise, etc. is prohibited. Refreshment stands are available in every park and the operators of these stands have the exclusive license for the sale of all foodstuffs, refreshments, merchandise, etc. in the park area. Vendors, catering services, etc., are NOT PERMITTED TO ENTER THE PARKS TO DELIVER AND/OR SELL ANY FOODSTUFFS, BEVERAGES OR MERCHANDISE TO ANY GROUP OR ORGANIZATION. Arrangements for catering may be made through the park catering service ONLY except if noted in Section #6 – Special Conditions. Call (631) 321-3515.

6. Special Conditions: **See attached General Information and Rules (Terms and Conditions)**

   - **AT THE COMPLETION OF THE WORK, THE EQUIPMENT INSTALLED AT THE SITES SHALL BE REMOVED IN ITS ENTIRETY AND ALL GROUND DISTURBANCES SHALL BE RECTIFIED AS DIRECTED BY PARKS.**
   - **FOLLOW ALL DIRECTIVES FROM PARK STAFF AND PARK POLICE.**

7. This permit is issued on the condition that the permittee shall be responsible for any and all damage to park property or facilities which may result from the permittee's use thereof. The permittee assumes all risks and shall hold harmless the State of New York, the New York State Office of Parks, Recreation and Historic Preservation and the Long Island State Park Region for injury or death arising out of an accident to themselves or others, resulting from activities under this permit or by reason of any unauthorized activities undertaken in the contravention to the terms under which this permit is issued. Violation of the above rules or other Long Island State Park regulations will result in immediate revocation of permit (NO REFUND), possible issuance of summons and whatever other legal remedies the Long Island State Park Region deems necessary.

8. The Long Island State Park Region reserves the right to revoke this permit at any time.

***PLEASE SIGN & RETURN A COPY TO:** PERMIT OFFICE, P.O. BOX 247, BABYLON, NY 11702. This permit is not valid until a signed copy is returned to this office.

ACCEPTED BY Kenneth Skipka — April 11, 2023 — APPROVED

PERMITTEE — DATE — LONG ISLAND STATE PARK REGION